Opparunu naspunu Onp.// Aellnxn(F), A e opposiuna naspuna, F ano F Bellnxn(F), Tangle (AB-BH-E) 1) Areo A e oбparuna => 7! B (единельена) 39 Ke 370 AB = BA = E $\Delta - 60$ And B_4 u B_2 ca τ and 6a = 7 $B_1 = B_1E = B_1(AB_2) = (B_1A)B_2 = EB_2 - B_2 = B_1 = B_2$ $B_2 = B_1 = A^{-1}$ o δ path a H A C c $A^{-1}e$ o δ paths A3) Ano A, B ca oбратими матрици => AB обратима и (AB) -1 = B-1 A-1 8-601 (B-1A-1)(AB)=B-(A-A)B=B-1EB=B-B=E (AB)(B-1A-1)= A (BB-1)A-1= A EA-1= AA-1=E

Obpatule sie Heet one parop

Onp. Hera $\varphi: V \rightarrow V$ run one parop

The eospatule, and $\exists \psi: V \rightarrow V$ runeet, $\forall x \in V \rightarrow V$ runeet, $\forall x \in V \rightarrow V$ runeet, $\forall x \in V \rightarrow V$ $\forall x \in V \rightarrow V$ C6-69
1) Αικο φ -οδρατικει => $\frac{1}{3}$ $\frac{1}{4}$ $\frac{1}{6}$ $\frac{$ 2) (4-1) = 4, The 404-1=4-104=id 3) Areo 4, 4 - 08 parisee uneparopu, roraba (404)-1= 4-104-1 (404)0(4-04-1)=40(404-1)04=404-1=id (4-04-1)0(404)= 4-1(4-04)04= 4-04=id

и у: V » V е линеен оператор. сперите 1) фобративе оператор (3)= (4) Нека ел, --, епбазис $Im \varphi = \ell(\varphi(e_i), ..., \varphi(e_u)) = V$ 2) Ker 4= {0} (d/(4)=10) (=) 4(e1), -, 4(éu) AH3 (T.e. Sazuc) 3) Im 4= V (r(4)=dimV) 4) ⇒ 5) Herea e1, -, en Eazuc re 4(e1), ., 4 (eu) - 5 azuc 4) 4 usnpama Jasuc HaV =) Im 4= V=> 4- croper 4 ug 5) 4 e 1130 eropepus 64 ALCO 4(a)=4(b)=> 4(a-b)=0 D-60/(1)=>(2) Hera 7 4-1 ackery => y(a)=0 (U)=0 => Ker φ-20/2 => 3 φ-1 // Danu φ-1 ε/ / « (με ιξεύ το) a=4-14(a)=4-10)=8 Xiye V => 7 a,6: X=9(a) (2)= (3) 07 Th partra u perfect. 4-1(x+4)=4-1(4(a)+4(b))=4-1(4(a+b))=4-1(x)+4-1(4) 01(4)=0(=> (4)=dimV Kery=205@ Imy=V 4-1(1x)=4-1(1400)=4-1(4(10))=101=14(x)

празна стр.

Teopena // Hera Aellnxn(F).

/A e obparuna = det A +0 u Toraber

A-1 = 1 / A11 -- · Ani) regero Aij - agrotrupano resteo

Ais -- Ann) (=) $A-o\delta painna => 3 A^{-1}$ $AA^{-1}=E=> olet(AA^{-1})=detE=1$ => det A. det A-1=1 => det A + 0 u det A = 1 det A

Here det A +0 U B = (AM A2n - Ann) BA= (AM ARA-AM) (AM-AM) (AM-AM)

AMARA-AMN (AMARA-AMN) (AM-AMN) (AMARA-AMN)

Pasburne Hadet A no estero K

M apanuru 60 pas Eurice

BBA = (det A 0 - 0) = (det A) E => (det A) A = E

O det A-O = (det A) AB= | and all - all | All Age - And | Zani Ani Zani Age - Zani Ani

and and - and | All Age - And | Zani Ani Zani Age - Zani Ani

Pasleuture Ha det A no per u opanure pasleuture

AB= (det A 0-0) = (det A)E => A. (Jet AB)=E=> A. of parure

A23=- 3-1 =- (-4)

празна стр.